IN THE CLAIMS:

1. (Currently Amended) An optical element comprising:

a plurality of waveguides transmitting a light; and

a plurality of light path coupling parts ~~coupling~~which couple adjacent waveguides ~~so as to~~and optically couple said ~~plural~~plurality of waveguides serially, wherein

~~the~~a paths for transmitting ~~lights~~the light ~~through~~in the ~~plural~~plurality of waveguides ~~are~~is curved at least one part of said optical path coupling parts.

2. (Currently Amended) An optical element as defined in claim 1, wherein

an odd number of waveguides are provided as said ~~plural~~plurality of waveguides, and said odd number of waveguides are ~~disposed~~ overlapping with each other in parallel with ~~respect to~~ the light transmission direction of said waveguides.

3. (Currently Amended) An optical element as defined in claim 1, wherein

external surfaces other than ~~the~~a light incident surface and ~~the~~a light output surface of the ~~waveguide path comprising said~~ waveguides and said light path coupling parts are coated ~~by~~with a reflection film reflecting the transmitting light.

4. (Currently Amended) An optical element as defined in claim 1, wherein

said light path coupling parts ~~have~~comprise inclined surfaces which are inclined with respect to ~~the plain~~a plane vertical to the light transmission direction and are integrated with said waveguides at either one or both ends of said adjacent waveguides.

5. (Currently Amended) An optical element as defined in claim 1, wherein

said waveguides are of a hollow structure in which either ~~of~~ gas or liquid and Brownian particles are sealed.

6. (Original) An optical element as defined in claim 5, wherein said Brownian particles are colloid particles.

7. (Currently Amended) An optical element as defined in claim 1, wherein

~~the~~a distance along the ~~light transmission~~ path from ~~the~~a light incident surface to ~~the~~a light output surface satisfies the following equation ~~(1)~~:

$L \geq W/\tan(\sin)^{-1}(\sin(\theta/2)/n))$ ~~... (1)~~,

wherein W~~:~~ is a width of the waveguide~~,~~

n~~:~~ is a refractive index inside the waveguide~~,~~

θ~~: the~~ is a minimum beam spread angle possessed by the semiconductor laser.

8. (Currently Amended) A laser light source comprising:

a semiconductor laser which emits a laser light; and

an optical element which emits the laser light, ~~which is emitted from said semiconductor laser with transmitting the same, wherein~~

said optical element ~~includes~~comprising:

a plurality of waveguides transmitting the laser light~~,~~; and

a plurality of light path coupling parts ~~coupling~~which couple adjacent waveguides ~~so as to~~and optically couple said plural waveguides serially, ~~and~~wherein ~~the~~a path of the laser light for transmitting the laser light ~~through~~in the ~~plural~~plurality of waveguides ~~are~~is curved at said optical path coupling part.

9. (Currently Amended) An optical element as defined in claim 8~~, wherein~~ further comprising:

~~there is provided~~ a convex lens or a plano-convex lens which is disposed on an optical path between the semiconductor laser and the optical element and makes ~~the~~a spread angle of the laser light incident to the optical element smaller than ~~the~~a spread angle of the laser light ~~that is~~ emitted from the semiconductor laser.

10. (Currently Amended) A laser light source as defined in claim 8~~, wherein~~ further comprising:

a cylindrical lens is disposed on ~~a light~~the path between said semiconductor laser and said optical element.

11. (Original) A laser light source as defined in claim 10, wherein

the cylindrical lens is a plano-concave lens.

12. (Currently Amended) A laser light source as defined in claim 8, wherein

~~the~~a light incident surface of the optical element is in a curved configuration ~~having~~with a curvature.

13. (Currently Amended) A two-dimensional image forming apparatus comprising:

a laser light source emitting a laser light~~;~~ comprising:

a plurality of waveguides transmitting a light; and

a plurality of light path coupling parts which couple adjacent waveguides and optically couple said plurality of waveguides serially;

a space optical modulation part that modulates ~~a~~the laser light emitted from the laser light source; and

an illumination optical system for illuminating the laser light that is outputted from the laser light source to the space light modulation part, wherein

~~said laser light source has a plurality of waveguides transmitting a light, and~~

~~a plurality of light path coupling parts coupling adjacent waveguides so as to optically couple said plural waveguides serially, and~~

~~the~~a paths for transmitting lights through the ~~plural~~plurality of waveguides ~~are~~is curved at said optical path coupling parts.

14. (Currently Amended) A two-dimensional image forming apparatus as defined in claim 13 ~~wherein~~further comprising:

~~there is provided~~ a projection optical system which projects the laser light that is emitted from the space optical modulation part.